

# Work Order ID 57900

April 20, 2010 7:05:35 AM



Page 1

Item ID: D412-791-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Flashlight Assembly

Start Date: 4/20/10 Start Qty: 1.00



Cust Item ID:

Required Date: 4/27/10 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: CL Date: 10/4/20 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
IIN-D412-791	B

100

0.00



DC

Document Control

Memo

0.00

Photocopy bluefile & type labels per PPP 412-791-041 CHG001

*Sulobylze*

110

Pick Kit

0.00



Packaging

Packaging

Memo

0.00

*= 7 m. h*

*10/04/23*

*(14)*

120

QC4- 100% Inspect kits for completeness

0.00



QC

Quality Control

Memo

0.00

*Sulobylze*

*(10)*

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 57900**

April 20, 2010 7:05:35 AM

Page 2

Item ID: D412-791-041

Accept

Setup Start

Revision ID:

Stop

Item Name: Flashlight Assembly

Start Date: 4/20/10 Start Qty: 1.00

Cust Item ID:

Required Date: 4/27/10 Req'd Qty: 1.00

Customer:

Reference:

Run Start

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

130

0.00



Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-791-041

Location: \_\_\_\_\_

PPP Rev: A

10-26 SL 1x

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/04/27

W 10/04/27

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

April 20, 2010 7:05:35 AM

Page 1

Work Order ID: 57900

Parent Item: D412-791-041

Parent Item Name: Flashlight Assembly

Comments: IPP RevA: New issue DD verified by:EC

Start Date: 4/20/10

Required Date: 4/27/10

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

D3921-1		Manufactured	No			110	Each	19.0000	2.0000			
---------	--	--------------	----	--	--	-----	------	---------	--------	--	--	--



Flashlight

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST095

48456

19

19

110

Each

20.0000

4.0000



2x

m-h 10/04/23

D3922-1		Manufactured	No			110	Each	20.0000	4.0000			
---------	--	--------------	----	--	--	-----	------	---------	--------	--	--	--



Clip

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST096

48459

20

20

110

Each

29.0000

2.0000



4x

m-h 10/04/23

D3923-1		Manufactured	No			110	Each	29.0000	2.0000			
---------	--	--------------	----	--	--	-----	------	---------	--------	--	--	--



Angle

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST096

B 52295

54652

29

14

15

2x

m-h 10/04/23

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Page 2

April 20, 2010 7:05:35 AM

Work Order ID: 57900



Parent Item: D412-791-041



Parent Item Name: Flashlight Assembly

Start Date: 4/20/10

Required Date: 4/27/10

Comments: IPP RevA: New issue DD verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3924-1  Shim		Manufactured	No			110	Each	6.0000	4.0000			

## Warehouse

## Loc Qty

## Loc Code

### Location

Main Warehouse

ST096

48625 ✓

6

6

110

Each

2,214.000

8.0000



4X m-h 10/04/23

MS20426AD3-6

Purchased

No



Rivet

## Warehouse

## Loc Qty

## Loc Code

### Location

Main Warehouse

ST316

105055 ✓

2214

2214

110

Each

618.0000

6.0000



8X m-h 10/04/23

MS20470AD4-5

Purchased

No



Rivet, Universal Head

## Warehouse

## Loc Qty

## Loc Code

### Location

Main Warehouse

ST319

111916 ✓

618

618

6X m-h 10/04/23

April 20, 2010 7:05:35 AM

Shop Packet Print

Page 2

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

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April 20, 2010 7:05:35 AM

Work Order ID: 57900



Parent Item: D412-791-041



Parent Item Name: Flashlight Assembly

Start Date: 4/20/10

Required Date: 4/27/10

Comments: IPP RevA: New issue DD verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS21059L3  Nut Plate		Purchased	No			110	Each	10.0000	4.0000			

Warehouse                      Loc Qty                      Loc Code  
Location

Main Warehouse  
ST302

113749

10

N1114449

4x m-l 10/04/23

MS35207-264



Screw

Purchased

No

110

Each

54.0000

4.0000



Warehouse                      Loc Qty                      Loc Code  
Location

Main Warehouse  
ST295

109031

111359

54

4

50

2x m-l 10/04/23  
2x m-l 10/04/23

April 20, 2010 7:05:35 AM

Shop Packet Print

Page 3

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

## 7.0 PARTS LIST

QTY -011	QTY -041	QTY -043	QTY -045	QTY -047	QTY -049	PART NUMBER	DESCRIPTION
X						D412-791-011	SAFETY ENHANCEMENT KITS COMPLETE
1	X					D412-791-041	FLASHLIGHT KIT
1		X				D412-791-043	MAPBOX KIT
1			X			D412-791-045	EXIT ILLUMINATION KIT
1				X		D412-791-047	PITOT HEAT MONITORING KIT
1					X	D412-791-049	STANDBY ATTITUDE BATTERY MONITORING KIT
	2					D3921-1	FLASHLIGHT
	4					D3922-1	CLIP
	2					D3923-1	ANGLE
	4					D3924-1	SHIM
	8					MS20426AD3-6	RIVETS
	5					MS20470AD4-5	RIVET
	4					MS21059-L3	ANCHOR NUT
	4					MS35207-264	SCREW
		1				D3936-041	MAPBOX
		4				MS35207-244	SCREW
			16			D3937-041	PHOTOLUMINESCENT STRIPS
			90			D3950-1	RIVET (INCLUDES 10 EXTRA)
				1		18-200	CONNECTOR
				4		1N4007	DIODE
				3		80-004-2-6	POTTED INSERTS
				2		D3896-1	RELAY
				1		D3897-1	ANGLE
				1		LED-50-17-BG-E0705	ANNUNCIATOR
				1		M12883/45-01	RELAY BASE
				1		M81714/16-3	TERMINAL BLOCKS TRACK
				2		M81714/2-DC1	TERMINAL BLOCKS
				1		M81714/2-DD2	TERMINAL BLOCKS

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Revision: B

Date: 09. 07.22

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

QTY -011	QTY -041	QTY -043	QTY -045	QTY -047	QTY -049	PART NUMBER	DESCRIPTION
				1		M83536/2-024	RELAY
				2		MS21042L06	NUT
				4		MS21042L08	NUT
				1		MS24524-23	SWITCH, DPDT
				1		MS24524-31	SWITCH, DPDT
				2		MS24693S26	SCREW
				15		MS25036-102	TERMINAL LUGS, #6
				4		MS27039-0814	SCREW
				3		MS35207-260	SCREW
				3		NAS1149D0363J	WASHER
				2		NAS1149DN632J	WASHER
				8		NAS1149DN832J	WASHER
				1		HW210	RESISTOR, 1K OHMS
					1	18-200	CONNECTOR
					5	1N4007	DIODE
					3	80-004-2-6	POTTED INSERTS
					1	D3897-1	ANGLE
					1	D3938-1	DECAL
					1	LED-50-17-HK-E0700	ANNUNCIATOR (STBY BATT)
					1	M12883/45-01	RELAY BASE
					1	M81714/16-3	TERMINAL BLOCKS TRACK
					2	M81714/2-DC1	TERMINAL BLOCKS
					1	M81714/2-DD2	TERMINAL BLOCKS
					1	M83536/2-024	RELAY
					2	MS21042L06	NUT
					2	MS24693S26	SCREW
					3	MS35207-260	SCREW
					3	NAS1149D0363J	WASHER
					2	NAS1149DN632J	WASHER
					1	HW210	RESISTOR, 1K OHMS

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Revision: B

Date: 09. 07.22

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 57908

April 20, 2010 8:39:09 AM

Scrap



Page 1

Item ID: D3756-041

Accept:



Setup Start



Revision ID:

Stop



Item Name: Cushion

Start Date: 4/20/10

Start Qty: 2.00



Cust Item ID:

Required Date: 4/21/10

Req'd Qty: 2.00



Customer:

Reference:

Run Start



Approvals:

Process Plan: *W*

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D3754

Rev D

D3756

Rev C

135

0.00



Small Fab

Memo

0.00

Small Fab

SCRAP/DESTROY PARTS  
2 X D3756-041 B44544  
PER ECN10-539

140

0.00



QC

QC21- Final Inspection - Work Order Release

Memo

0.00

Quality Control

*ES 10/04/29 (2)*

*10/04/30*  
*PS 10-4-29*  
*(2)*

# Picklist Print

Page 1

April 20, 2010 8:39:09 AM

Work Order ID: 57908



Parent Item: D3756-041



Parent Item Name: Cushion

Start Date: 4/20/10

Required Date: 4/21/10

Comments: IPP: A08.11.17 New issue EC verified by:DD IPP  
Rev:B 10.04.13 as per Ec10-539 DD verified by:EC

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3756-041		Manufactured	No				Each	2.0000	2.0000			



Cushion



*4/30/04/29*

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST252A

44544

2

2

2



## List Lots

April 9, 2010 1:33:04 PM

Page 1 of 1

Criteria : Item ID: D3756-041 All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Type Code	Comments
D3756-041 Cushion	Main Warehouse ST252A	44544	3/11/10	2.0000		QC21	
Total:				2.0000			

# **ENGINEERING CHANGE NOTICE** **DART AEROSPACE LTD**

Date: 10.03.23	Job No.: RD0342MAR	ADR Yes/No: Y	ADR Date: 10.03.16	ECN #: 10- 539
Product No.: D205-778		Created By: JACP	Approved By: AM	
Product Name: Comfort Seat		Checked By: JACP	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date
Production Manager / Coord.	Y	LL	
Production Document Control	M	DE	
Purchasing Coord.	Y	CL	
Production Engineering Coord.	Y	EC/DD	

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord.	N		
QC Coordinator	Y	JM	
Customer Technical Support	Y	DS	
Marketing	Y	SW	
Customer Order Processing	N		

Reason for Change:  
Revision to design

## **Documents Affected:**

### **Release:**

- DSI 9508 Rev. A  
- D3753 Rev. D  
- D3754 Rev. D  
- D3755 Rev. C  
- D3756 Rev. C

**PARTS MUST COMPLY**



**PREVIOUS PARTS SATISFACTORY**



#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N			
5	Update Master Document List (MDL)	Y	CP		10.03.23
6	Update Product Compatibility Matrix	N			
7	Create Eurocopter Form (FEE)	N			
8	Notify TC / FAA of Change	Y	DS		10.03.23
9					

#	Document Control Actions	Reqd	Resp	Notes	Complete
10	Move Electronic Files	Y	KJ		10.03.23
11	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ		10.03.23
12	Update Controlled PDF Files	Y	KJ		10.03.23
13	Update Document Record (DR)	Y	KJ	Rev. 778 C	10.03.23
14	Update Product Development Summary	N			
15	Update QSI 021 and/or STC Approval List	N			
16	Update Parts / STC Database	Y	KJ		10.03.23
17	Update / Verify ARC Database	Y	KJ	# 109	10.03.23
18	Create / Update Change Record Form / Item Card Database	Y	KJ	D205-778-011 @ CHG 002, DSI 9508-011 @ CHG 001	10.03.23
19	Create / Update PPP's	Y	KJ		10.03.23
20	Update Document Control Database / Laminated Dwgs	N			
21	Update Grey Project / Electronic Binder PDF Files	Y	KJ		
22	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		
23					
24					

## **Description / Action:**

- D205-778-011 @ chg 002, with new seat cushions
- Rivets added to -011 kit per DSI
- New rivet kit (per DSI) for existing customers who might need it
- update any -011 kits in stock with new cushions, rivets, DSI, and CHG number

Scrap old cushions  
D3755-041 57907  
D3756-041 57908

DSI 9508-011 No sth

ECN Verified & Complete:

Date: